

California Department of Transportation

Storm Water Management Program

Regional Work Plan 2005/2006



District 11

**COLORADO RIVER BASIN
Region 7**

Water Quality Control Board

CTSW-RT-05-132-16.1

April 1, 2005



**CERTIFICATION
REGIONAL WORK PLAN
California Regional Water Quality Control Board
Colorado River Region 7
Fiscal Year 2005/2006
April 1, 2005**

California Department of Transportation District 11

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is true, accurate, and complete to the best of my knowledge and belief. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment of knowing violations. [40 CFR 122.22(d)]



PEDRO ORSO-DELGADO
District Director

**CALIFORNIA DEPARTMENT OF TRANSPORTATION
DISTRICT 11**

**APPROVAL
Regional Work Plan 2005/2006**

**California Regional Water Quality Control Board
Colorado River Basin Region 7**

April 1, 2005

California Department of Transportation District 11

 _____ Joseph R. Hull Deputy District Director Program/Traffic Operations	<u>3-7-2005</u> Date
 _____ Allan Kosup Deputy District Director Program/Project Management	<u>3/7/05</u> Date
 _____ Mike McManus Deputy District Director Maintenance & Operations	<u>3-7-05</u> Date
 _____ Charles "Muggs" Stoll Deputy District Director Environmental	<u>3/7/05</u> Date
 _____ William Valle Deputy District Director Engineering	<u>7 MARCH 05</u> Date
 _____ Richard A. Hopkins Deputy District Director Construction	<u>3/8/05</u> Date
 _____ Joel Haven Deputy District Director Design	<u>3/7/05</u> Date

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_____ Charles "Muggs" Stoll SR125 South Project Director/ Deputy District Director Environmental	_____ Date
_____ William Valle I15 Project Director/ Deputy District Director Engineering	_____ Date
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TABLE OF CONTENTS

1.0	INTRODUCTION	1-1
2.0	DEPARTMENT PERSONNEL AND RESPONSIBILITIES	2-1
3.0	DISTRICT FACILITIES AND WATER BODIES	3-1
4.0	HIGH-RISK AREAS	4-1
5.0	IMPLEMENTATION ACTIVITIES	5-1

LIST OF TABLES

TABLE 2-1: DEPARTMENT STORM WATER PERSONNEL	2-1
TABLE 2-2: SIGNATORY AUTHORITY FOR KEY DOCUMENTS	2-1
TABLE 3-1: DISTRICT 11 FACILITIES	3-1
TABLE 4-1: HIGH RISK AREAS	4-1
TABLE 5-1: DISTRICT 11 ANTICIPATED PROJECT DEVELOPMENT / CONSTRUCTION SCHEDULE	5-2
TABLE 5-2: ANTICIPATED MAINTENANCE ACTIVITIES AND OTHER MANAGEMENT PRACTICES	5-4
TABLE 5-3: GENERAL MANAGEMENT PRACTICES	5-5

LIST OF FIGURES

FIGURE 2-1: ORGANIZATIONAL CHART	2-2
FIGURE 3-1: DISTRICT 11 RWQCB AND H.U. BOUNDARIES	3-2

1.0 INTRODUCTION

The purpose of the Regional Work Plans (RWPs) is to describe how the Department will specifically implement the Statewide Storm Water Management Program (SWMP) within the jurisdiction of each Regional Water Quality Control Board (RWQCB) during Fiscal Year 2005/2006 as required by the *Caltrans Statewide Storm Water NPDES Permit – Order No. 99-06-DWQ* (Permit). Implementation activities will be conducted in accordance with the procedures presented in the SWMP. The RWP indicates how District storm water management practices will be modified to improve water quality protection based on evaluation of the previous studies and management activities.

The RWP provides region-specific information on the Department facilities, water bodies, and Best Management Practices (BMPs), and monitoring programs according to the following sections:

- Section 1 – Introduction;
- Section 2 – Personnel and Responsibilities;
- Section 3 – District Facilities and Water Bodies;
- Section 4 – High Risk Areas; and
- Section 5 – Implementation Activities.

2.0 DEPARTMENT PERSONNEL AND RESPONSIBILITIES

Portions of District 11 fall within the jurisdiction of the Colorado River Basin RWQCB. Organizational charts for District 11 are included in Figure 2-1. Staff responsible for implementing the SWMP in the Colorado River Basin RWQCB includes NPDES Program Manager, Jesus Vargas, District NPDES Coordinator, Helene Bell, and other responsible staff as appropriate. A list of the key contacts is provided in Table 2-1.

TABLE 2-1: DEPARTMENT STORM WATER PERSONNEL

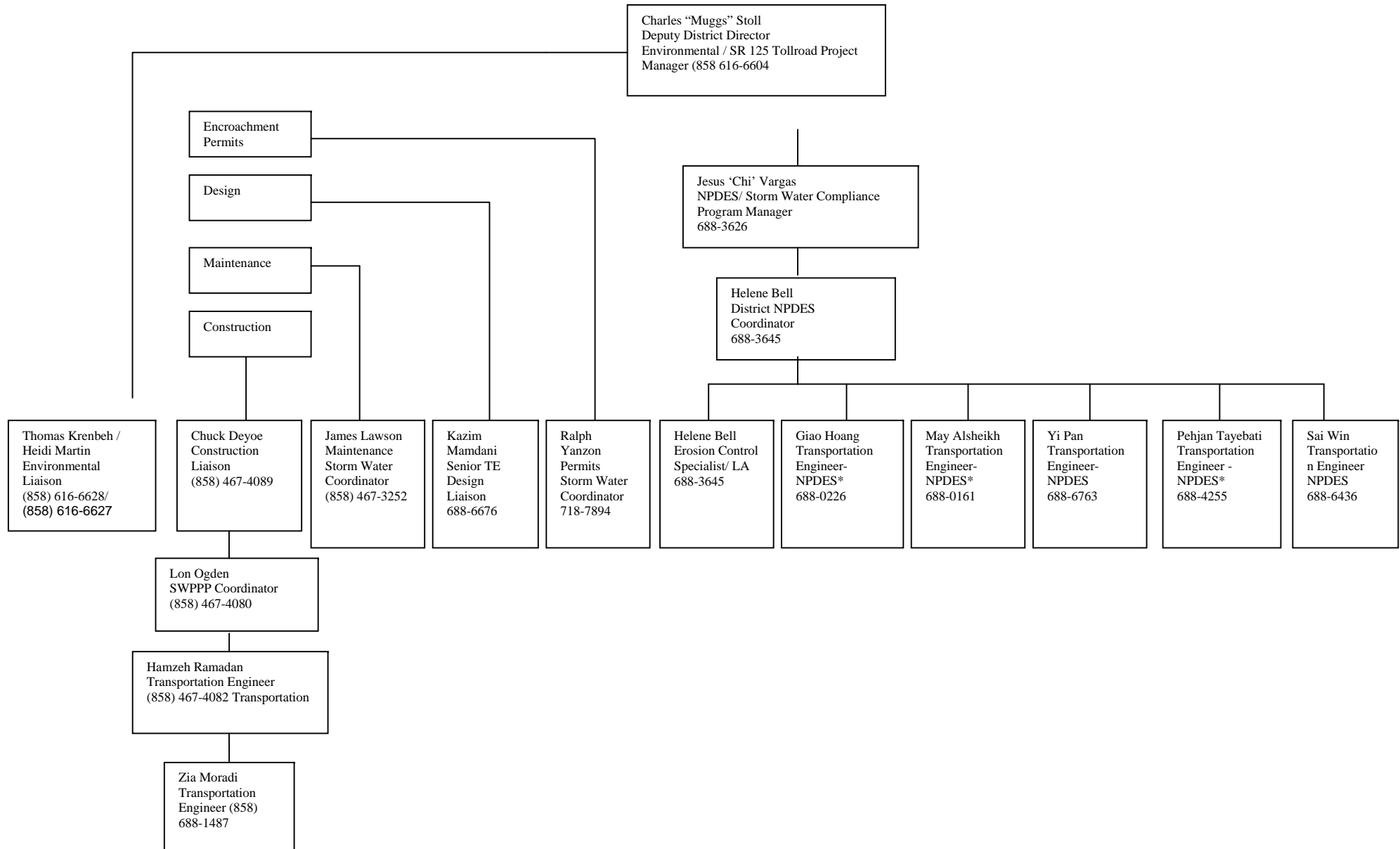
Staff	Title	Phone Number	E-Mail Address
Jesus "Chi" Vargas	Program Manager	(619) 688-3626	Chi_Vargas@dot.ca.gov
Helene Bell	District NPDES Coordinator	(619) 688-3645	Helene_Bell@dot.ca.gov
Kazim Mamdani	District Design Storm Water Coordinator	(619) 688-6676	Kazim_Mamdani@dot.ca.gov
Chuck Deyoe	District Construction Storm Water Coordinator	(858) 467-4080	Chuck_Deyoe@dot.ca.gov
Lanny Chronert	District Maintenance Storm Water Coordinator	(858) 616-6556	Lanny_Chronert@dot.ca.gov

In compliance with Permit Section M.10.b, the following positions listed in Table 2-2 are authorized to sign the documents, reports and other information submitted by the District to either the SWRCB or the RWQCB(s).

TABLE 2-2: SIGNATORY AUTHORITY FOR KEY DOCUMENTS

Positions	Documents Authorized for Signature
NPDES Program Manager	All District Documents with except of Regional Work Plan (RWP)
District NPDES Coordinator	Notification of Construction (NOC)
	Notice of Completion of Construction (NOCC)
	Notice of Soil Reuse with Aerially Deposited Lead (ADL)
	Notice and Report of Non-Compliance
Construction Storm Water Coordinator	Notice and Report of Non-Compliance for Construction Projects
Maintenance Storm Water Coordinator	Notice and Report of Non-Compliance for Maintenance Activities

FIGURE 2-1: ORGANIZATIONAL CHART



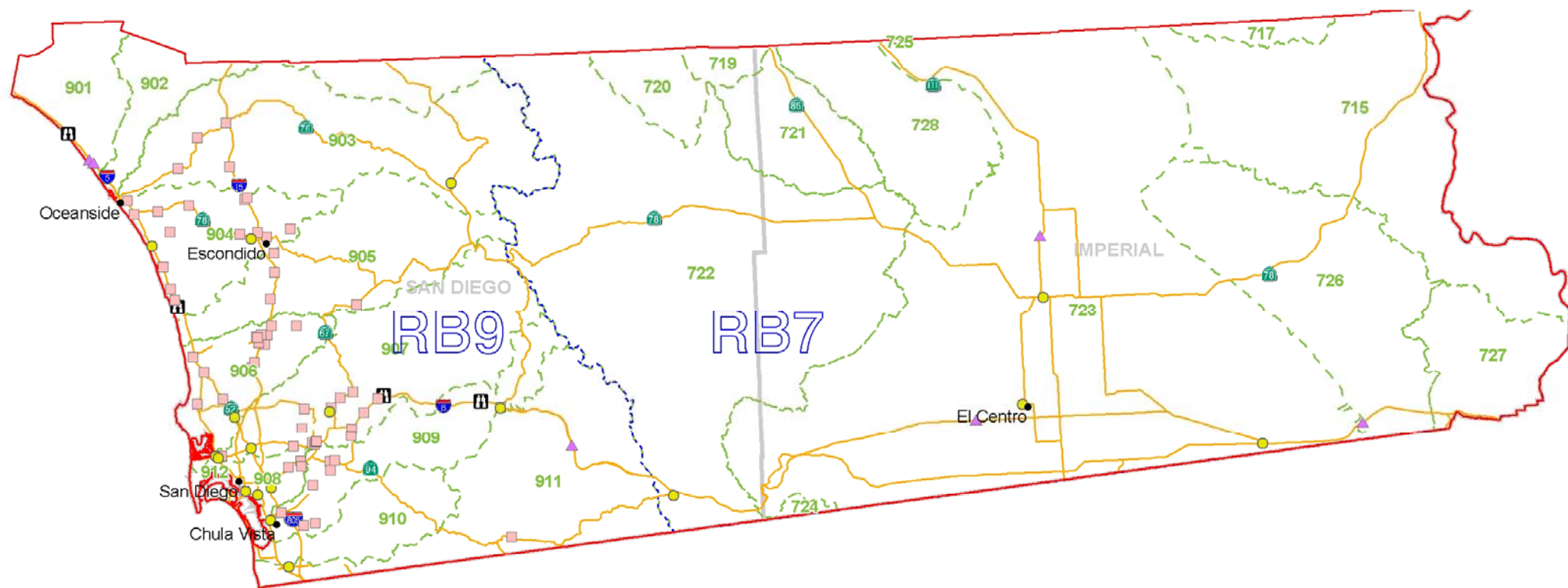
3.0 DISTRICT FACILITIES AND WATER BODIES

This section identifies the Department facilities and water bodies within each District and Regional Board jurisdiction. A list of the Department facilities, excluding roadways, is presented in Table 3-1. Maps showing District 11 boundaries within the Colorado River Basin Regional Board and major roads and highways are presented in Figure 3-1.

TABLE 3-1: DISTRICT 11 FACILITIES

RTE	CO	PM	NAME	DESCRIPTION
MAINTENANCE STATIONS				
86	IMP	8.5	El Centro	Highway Maintenance
78	IMP	14.3	Brawley	Highway Maintenance
98	IMP	56.6	Midway	Highway Maintenance
8	IMP	66.5	Boulevard	Highway Maintenance
COMMERCIAL VEHICLE ENFORCEMENT FACILITIES				
7	IMP	0.1	Calexico	NB
8	IMP	R89.5	Winterhaven	Westbound (WB)
VISTA POINTS				
8	IMP	1	Mountain Springs	Vista Point
SAFETY ROADSIDE REST AREAS				
111	IMP	29.4	Two Rivers	2.5 mi. S of Calipatria
8	IMP	R31.2	Sunbeam	6 mi. W of El Centro; EB & WB
8	IMP	80.2	Sand Hills	20 mi. W of Arizona State Line

Lists and maps of the Department of Water Resource Hydrologic Units located within the coverage area are presented in Appendix A of the SWMP. Specific information on the Department facilities and water bodies may also be found at the following website: <http://stormwater.water-programs.com/Research.htm>

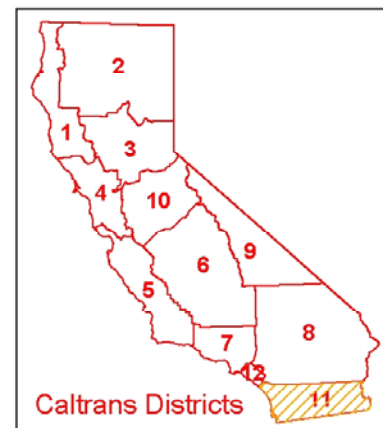


Legend

- Major City
- ▲ Rest Area
- Maintenance Station
- Park & Ride
- Vista
- Department Facility
- Department Boundary
- - - RWQCB Boundary
- - - Hydrologic Unit
- County Boundary

RWQCB Index

RB7 Colorado River Basin Region
RB9 San Diego Region



Caltrans Districts

Figure 3-1
District 11 RWQCB and H.U. Boundaries

4.0 HIGH-RISK AREAS

A list of high-risk areas within District 11 is presented in Table 4-1. High-risk areas are defined in the Section E.2 of the Permit to include areas such as locations where spills from the Department owned right-of-ways, activities, or facilities can discharge directly to municipal or domestic water supply reservoirs or ground water percolation facilities. Additional sites may be added to the high-risk list based on discussion between the RWQCB and the Department. The Permit requires consideration of appropriate spill containment and spill prevention control measures for these areas.

In order to generate the list of high-risk municipal and domestic water supply reservoirs, and ground water percolation facilities, the Department first contacted known public and private water supply providers. From the information received, the Department determined which facilities were susceptible to a direct spill from the Department activity or facility. This determination was based on proximity between the water body and the Department facility, use characteristics of the facilities, and the probable spill response time.

The Department will consider and implement spill containment and prevention control measures in accordance with the processes contained in the SWMP including Section 3 for BMP identification and implementation, Section 4.4.1 for new construction projects or Section 4.4.2 for retrofit projects that are within these areas.

TABLE 4-1: HIGH RISK AREAS

Road Segment/ Facility	County	High Risk Area	Description	Comments
No high risk areas were identified for District 11 within the jurisdiction of the Colorado River Basin Regional Water Quality Control Board				

5.0 IMPLEMENTATION ACTIVITIES

This section presents specific project work planned for the year and indicates BMP implementation improvements. The anticipated schedule of construction and maintenance activities is subject to change. The Department will discuss with the RWQCBs new projects meeting the criteria listed below when ground disturbance takes place or when significant maintenance activities are initiated during the year. These projects are updates to the RWP provided in April.

Table 5-1 includes a list of construction projects that meet one or more of the following criteria:

- The project involves greater than 5 acres of land disturbance, designated as “DSA”;
- The project affects a 303(d) listed water body within the project limits, designated as “303d”;
- The project requires a 401 Water Quality Certification or Waiver, designated as “401”;
- The project is a Supplemental Environmental Project (water quality project negotiated by the RWQCB and The Department) designated as “SEP”;
- The project is a storm water retrofit project (SWMP Section 4.4.2), designated as “Retro”;
- The project limits are with a “High Risk Area,” designated as “HR”; and
- The project is designated by a RWQCB as posing a potential threat to water quality, designated as “RB”.

The information presented in Table 5-1 is intended to facilitate early RWQCB staff input in the project-planning phase in accordance with Section L.8 of the Permit and Section 4.4 of the SWMP. The goal is to resolve water quality issues that may affect project funding, permitting, and scheduling. In addition, projects that require RWQCB review and approval of project SWPPPs/WPCPs in accordance with Sections H.8 and L.8 of the Permit are also covered in Table 5-1.

Table 5-2 presents a list of anticipated significant maintenance projects that have the potential to impact water quality and provides early notification of such activities. It also includes region-specific issues and BMP actions/modifications based on program evaluations discussed in current and/or past Annual Report(s).

Table 5-3 summarizes various program management activities that are part of the storm water pollution prevention program.

SECTION FIVE

Regional Work Plans

Table 5-1: DISTRICT 11 ANTICIPATED PROJECT DEVELOPMENT / CONSTRUCTION SCHEDULE

SWMP Category**	EA #	Co.	Route	PM	Description	Water Bodies Impacted by Project	Criteria*	Anticipated Project Delivery Schedule		Construction Period	
								PA&ED Date	PS&E Date	Start Date	Completion Date
C	068021	IMP	7	1.1-7	Landscape Mitigation For 11-068001	N/A	DSA	N/A	N/A	08/05/2006	02/07/2007
C	263500	IMP	8	R 96.2-	Landscaping/Scenic Beautification	N/A	DSA	04/01/2004	07/03/2005	07/04/2005	01/06/2006
C	24170K	IMP	8	R 83.8- D	Construct Port Of Entry	N/A	DSA	06/13/2004	12/30/2005	10/07/2007	03/05/2008
C	167881	IMP	78	R 12.1- R	Construct Four-Lane Expressway And Interchange - (Stage 2)	N/A	DSA	N/A	N/A	09/09/2005	07/25/2006
C	167891	IMP	78	R 9.1- R 11.7	Construct Four-Lane Expressway (Stage 3)	N/A	DSA	N/A	N/A	09/24/2007	05/26/2008
C	079600	IMP	8	R 96.2-	Highway Planting	N/A	DSA	01/03/2001	07/03/2005	07/04/2005	01/06/2006

TABLE 5-1 LEGEND

*** Criteria**

DSA	=	Disturbed Soil Area is greater than 5 acres.
303d	=	303 (d) listed water body within project limits and affected by project
401	=	401 Certification/Waiver required
SEP	=	Supplemental Environmental Project
Retro	=	Storm Water Retrofit Project (SWMP 4.4.2)
HR	=	Project limits within High Risk Area
RB	=	RWQCB designated project as a potential threat to water quality

**** SWMP Category is defined in SWMP Section 4.4.1, Table 4-3,**

- (A) Beginning of Project Development Process prior to approval of the PSR
- (B) PSR approved but Environmental Documents are not final
- (C) Environmental Documents Final
- (D) Environmental Documents are final, design complete and project in the construction phase of project delivery
- (ND) SWMP category not defined. Treatment BMPs have been considered and implemented where appropriate for these projects

Note: All projects that do not require a SWPPP will require a WPCP.

TABLE 5-2: ANTICIPATED MAINTENANCE ACTIVITIES AND OTHER MANAGEMENT PRACTICES

Significant Road Maintenance Activities (1)							
County	Route	PM	Description	Water Bodies Affected	Criteria (2)	Start Date	Completion Date
While Maintenance Activities occur throughout the year, it is not possible to anticipate with detail, what takes place. They are safety and time-driven and thus can occur unexpectedly.							
Maintenance Facility and Activity Inspections							
All Maintenance Facilities within District 11 are scheduled for annual inspections by the District Maintenance Storm Water Coordinator. These inspections will be used to ensure that BMPs are consistent with those described in each Facility Pollution Prevention Plan (FPPP). Also, the inspections will be used to evaluate the effectiveness of the BMPs and to recommend any needed changes to the BMPs or the FPPP.							
Maintenance Facility BMP Improvements							
No items to report.							
Maintenance BMP Actions/Modifications							
No items to report.							
Vegetation Management and Vegetated Slope Management							
<p>The District's Vegetation Control Plan (VCP) for FY 2005/2006 is under development. The goal of the District's 05-06 VCP is to minimize the discharge of chemicals to receiving waters by reducing chemical use for vegetation control. The district VCPs are under development at this time. They include the following:</p> <ul style="list-style-type: none"> • Type of chemical to be applied • Applications locations, widths, total acres applied, frequency, amount totals • Reason for application 							

TABLE 5-2 LEGEND

- (1) Significant road maintenance activities includes projects involving grade changes, additional hydraulic capacity, direct discharges to surface waters, increases in impervious surface area, or other activities identified or agreed to between RWQCB and Department staff.
- (2) Criteria:
- 401 = 401 Certification/Waiver required
 - DSA = Disturbed Soil Area is greater than 5 acres.
 - 303d = 303 (d) listed water body within project limits and affected by project
 - 401 = 401 Certification/Waiver required
 - SEP = Supplemental Environmental Project
 - Retro = Storm Water Retrofit Project (SWMP 4.4.2)
 - HR = Project limits within High Risk Area
 - RB = RWQCB designated project as a potential threat to water quality

TABLE 5-3: GENERAL MANAGEMENT PRACTICES

Monitoring Activities
No monitoring activities will be conducted within the Colorado River Basin Regional Water Quality Control Board jurisdiction.
Construction Compliance Monitoring Program
Construction activities are inspected through the Construction Compliance Monitoring Program. Monitoring results are provided in the annual report.
Training and Public Outreach
Training is completed as outlined in the SWMP.
Municipal Coordination
Coordination with Imperial Irrigation District (IID) on a project-by-project basis.